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PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page for STN Seminar Schedule - N. America
NEWS 2 NOV 21 CAS patent coverage to include exemplified prophetic
substances identified in English-, French-, German-,
and Japanese-language basic patents from 2004-present
NEWS 3 NOV 26 MARPAT enhanced with FSORT command
NEWS 4 NOV 26 CHEMSAFE now available on STN Easy
NEWS 5 NOV 26 Two new SET commands increase convenience of STN
searching
NEWS 6 DEC 01 ChemPort single article sales feature unavailable
NEWS 7 DEC 12 GBFULL now offers single source for full-text
coverage of complete UK patent families
NEWS 8 DEC 17 Fifty-one pharmaceutical ingredients added to PS
NEWS 9 JAN 06 The retention policy for unread STNmail messages
will change in 2009 for STN-Columbus and STN-Tokyo
NEWS 10 JAN 07 WPIDS, WPINDEX, and WPIX enhanced Japanese Patent
Classification Data
NEWS 11 FEB 02 Simultaneous left and right truncation (SLART) added
for CERAB, COMPUAB, ELCOM, and SOLIDSTATE
NEWS 12 FEB 02 GENBANK enhanced with SET PLURALS and SET SPELLING
NEWS 13 FEB 06 Patent sequence location (PSL) data added to USGENE
NEWS 14 FEB 10 COMPENDEX reloaded and enhanced
NEWS 15 FEB 11 WTEXTILES reloaded and enhanced
NEWS 16 FEB 19 New patent-examiner citations in 300,000 CA/CAPLUS
patent records provide insights into related prior
art
NEWS 17 FEB 19 Increase the precision of your patent queries -- use
terms from the IPC Thesaurus, Version 2009.01
NEWS 18 FEB 23 Several formats for image display and print options
discontinued in USPATFULL and USPAT2
NEWS 19 FEB 23 MEDLINE now offers more precise author group fields
and 2009 MeSH terms
NEWS 20 FEB 23 TOXCENTER updates mirror those of MEDLINE - more
precise author group fields and 2009 MeSH terms
NEWS 21 FEB 23 Three million new patent records blast AEROSPACE into
STN patent clusters
NEWS 22 FEB 25 USGENE enhanced with patent family and legal status
display data from INPADOCDB
NEWS 23 MAR 06 INPADOCDB and INPAFAMDB enhanced with new display
formats

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,

AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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***** STN Columbus *****

FILE 'HOME' ENTERED AT 17:11:36 ON 08 MAR 2009

=> fil reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.66	0.66

FILE 'REGISTRY' ENTERED AT 17:13:36 ON 08 MAR 2009
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STRUCTURE FILE UPDATES: 6 MAR 2009 HIGHEST RN 1116745-20-0
DICTIONARY FILE UPDATES: 6 MAR 2009 HIGHEST RN 1116745-20-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2009.

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<http://www.cas.org/support/stngen/stndoc/properties.html>

=>
Uploading C:\Program Files\STNEXP\Queries\10526507\formula I 3_8_09.str



```

chain nodes :
8 9 10 11 12 13 15 22
ring nodes :
1 2 3 4 5 6 16 17 18 19 20
chain bonds :
5-8 8-9 9-10 10-11 11-12 11-13 12-15
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 16-17 16-20 17-18 18-19 19-20
exact/norm bonds :
5-8 8-9 9-10 10-11 11-12 11-13 12-15 16-17 16-20 17-18 18-19 19-20
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6
isolated ring systems :
containing 1 : 16 :

```

G1:H,Cb,Ak

G2:O,S

```

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 8:CLASS 9:CLASS 10:CLASS
11:CLASS 12:CLASS 13:CLASS 15:CLASS 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom
22:Atom 23:Atom
Generic attributes :
22:
Saturation : Unsaturated

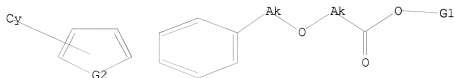
```

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



G1 H, Cb, Ak

G2 O, S

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 17:14:53 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 35989 TO ITERATE

5.6% PROCESSED 2000 ITERATIONS 0 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 708437 TO 731123

PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 17:15:00 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 720424 TO ITERATE

90.3% PROCESSED 650410 ITERATIONS 24 ANSWERS

96.2% PROCESSED 693179 ITERATIONS 24 ANSWERS

100.0% PROCESSED 720424 ITERATIONS 24 ANSWERS

SEARCH TIME: 00.00.40

L3 24 SEA SSS FUL L1

=> fil caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

187.32

187.98

FILE 'CAPLUS' ENTERED AT 17:15:47 ON 08 MAR 2009
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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FILE COVERS 1907 - 8 Mar 2009 VOL 150 ISS 11
FILE LAST UPDATED: 6 Mar 2009 (20090306/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2008.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

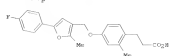
=> s l3
L4 15 L3

=> d ibib 1-5

14 NUMBER 5 OF
ACCESSION NUMBER:
DOCUMENT NUMBER:
TITLE:
INVENTOR(S):
PATENT ASSIGNER(S):
SOURCE:
DOCUMENT TYPE:
LANGUAGE:
FAMILY ACC. NUM. COUNT:
PATENT INFORMATION:

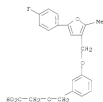
CAPLIS COPYRIGHT 2009 ACS on STN
2004:200326 CAPLIS
140:278207
Diabetes of furan derivatives for treatment of
altered lipid metabolism, arteriosclerosis, and
diabetes
Hasegawa, Kazuo; Saaka, Shigekazu; Arama,
Toshiro; Sakamoto, Junichi; Fukatsu, Koichi
Chemical Industry, Ltd., Japan
NCT Int. Appl., 925 pp.
COSH; PTX002
Patent
Japanese

14 ANSWER 5 OF 15 CAPLIS COPYRIGHT 2009 ACS on ETH (Continued)

[illegible][illegible]

OTHER SOURCE(S): MARPAT 140:270727
GE

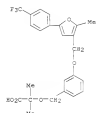
14 ANSWER 5 OF 15 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



```

NN  672923-08-7  CARBUS
CN  Propanoic acid,
    2-methyl-2-([3-([2-methyl-5-[4-(trifluoromethyl)phenyl]-3-
    furanyl)methoxy]phenyl)methoxy)- (CA INDEX NAME)

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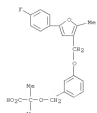


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R0  672929-09-0  CAPUS
C0  Propanoic acid, 2-[[3-[[5-(4-fluorophenyl)-2-methyl-3-
    furanyl]methoxy]benzoyl]-2-methyl-  ICA INDEX NAME

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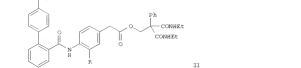
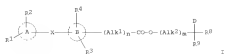
14 ANSWER 5 OF 15 CAPLOS COPYRIGHT 2009 ACS on STN (Continued)



REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR
THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

44	NUMBER 6 OF 15	CAPLUS	COPYRIGHT 2009	ACS	ON 5781	(Continued)
EX	2004053022	A	20040519	JK	2006-707779	A3
IN	2007080581	A	20070706	JK	2007-805651	A3
PRIORITY AFFIN. INFO.:						
				JP	2002-531876	A3
				JP	2002-213637	A3
				CH	2005-864734	A3
				JP	2005-53969	A3
				JP	2005-531890	A3
				MO	2007-012393	W
				IN	2006-02666	A3
				EX	2006-707505	A3
				EX	2006-226492	A3
				ex	2006000000	A3

OTHER SOURCE(S):
GI

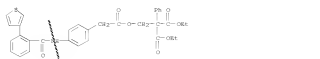


AB The title compds. [1; R1, R2 = H, C1-6 alkyl, C3-7 cycloalkyl, C1-6 alkoxy, halo-C1-6 alkyl, halo-C1-6 alkoxy, each (un)substituted C6-14 aryl, C7-16 aralkyl, C6-14 aryloxy, C7-16 aryloxy, C7-16 aralkyloxy, C7-15 arylcarbonyl, heterocyclyl, or NHE C2-7 alkoxy carbonyl, halo, C2-6 alkanyl; the ring A = C6-14 aryl, heterocyclyl, 9-oxofluorenyl, fluorenyl.

14 ANSWER 6 OF 15 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

REFERENCE COURT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR
THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

[[[preparation of [[bis(phenyl)carbamoyl]amino or
benzoyl]amino]phenyl]acetic acid
esters as microsomal triglyceride transfer protein (MTP) inhibitors
for
treatment or prevention of diseases)]
EN 594841-79-9 CAPLOS
CN Prepared acid, 2-phenyl-2-[[[2-[4-[[2-(3-
thienyl)benzoyl]amino]phenyl]acetyl]oxy]methyl]-, 1,3-diethyl ester (CA
THERM NAME)



14 ANSWER 7 OF 15 CAPLUS COPYRIGHT 2009 ACS ON STM

ACCESSION NUMBER:

DOCUMENT NUMBER:

TITLE:

INVENTOR(S):

PATENT ASSIGNEE(S):

SOURCE:

DOCUMENT TYPE:

LANGUAGE:

FAMILY AC. NUM. COUNT:

PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE

NO 2002019349 A1 20021023 NO 2002-072141 20020222

W, AI, AG, AL, AM, AN, AO, AP, AR, AS, AT, AU, AV, AW, AX, AY, AZ, BA, BB, BC, BD, BE, BF, BG, BH, BI, BJ, BK, BL, BM, BN, BO, BP, BQ, BR, BS, BT, BU, BV, BW, BY, BZ, CA, CB, CC, CD, CE, CF, CG, CH, CI, CJ, CK, CL, CM, CN, CO, CP, CQ, CR, CS, CT, CU, CV, CW, CX, CY, CZ, DA, DB, DC, DD, DE, DF, DG, DH, DI, DJ, DK, DL, DM, DN, DO, DP, DQ, DR, DS, DT, DU, DV, DW, DX, DY, DZ, EA, EB, EC, ED, EE, EF, EG, EH, EI, EJ, EK, EL, EM, EN, EO, EP, EQ, ER, ES, ET, EU, EV, EW, EX, EY, EZ, FA, FB, FC, FD, FE, FF, FG, FH, FI, FJ, FK, FL, FM, FN, FO, FP, FQ, FR, FS, FT, FU, FV, FW, FX, FY, FZ, GA, GB, GC, GD, GE, GF, GH, GI, GJ, GK, GL, GM, GN, GO, GP, GQ, GR, GS, GT, GU, GV, GW, GX, GY, GZ, HA, HB, HC, HD, HE, HF, HG, HH, HI, HJ, HK, HL, HM, HN, HO, HP, HQ, HR, HS, HT, HU, HV, HW, HX, HY, HZ, IA, IB, IC, ID, IE, IF, IG, IH, II, IJ, IK, IL, IM, IN, IO, IP, IQ, IR, IS, IT, IU, IV, IW, IX, IY, IZ, JA, JB, JC, JD, JE, JF, JG, JH, JI, JJ, JK, JL, JM, JN, JO, JP, JQ, JR, JS, JT, JU, JV, JW, JX, JY, JZ, KA, KB, KC, KD, KE, KF, KG, KH, KI, KJ, KK, KL, KM, KN, KO, KP, KQ, KR, KS, KT, KU, KV, KW, KX, KY, KZ, LA, LB, LC, LD, LE, LF, LG, LH, LI, LJ, LK, LM, LN, LO, LP, LQ, LR, LS, LT, LU, LV, LW, LX, LY, LZ, MA, MB, MC, MD, ME, MF, MG, MH, MI, MJ, MK, ML, MN, MO, MP, MQ, MR, MS, MT, MU, MV, MW, MX, MY, MZ, NA, NB, NC, ND, NE, NF, NG, NH, NI, NJ, NK, NL, NM, NO, NP, NQ, NR, NS, NT, NU, NV, NW, NX, NY, NZ, OA, OB, OC, OD, OE, OF, OG, OH, OI, OJ, OK, OL, OM, ON, OO, OP, OQ, OR, OS, OT, OU, OV, OW, OX, OY, OZ, PA, PB, PC, PD, PE, PF, PG, PH, PI, PJ, PK, PL, PM, PN, PO, PP, PQ, PR, PS, PT, PU, PV, PW, PX, PY, PZ, QA, QB, QC, QD, QE, QF, QG, QH, QI, QJ, QK, QL, QM, QN, QO, QP, QQ, QR, QS, QT, QU, QV, QW, QX, QY, QZ, RA, RB, RC, RD, RE, RF, RG, RH, RI, RJ, RK, RL, RM, RN, RO, RP, RQ, RR, RS, RT, RU, RV, RW, RX, RY, RZ, SA, SB, SC, SD, SE, SF, SG, SH, SI, SJ, SK, SL, SM, SN, SO, SP, SQ, SR, SS, ST, SU, SV, SW, SX, SY, SZ, TA, TB, TC, TD, TE, TF, TG, TH, TI, TJ, TK, TL, TM, TN, TO, TP, TQ, TR, TS, TT, TU, TV, TW, TX, TY, TZ, UA, UB, UC, UD, UE, UF, UG, UH, UI, UJ, UK, UL, UM, UN, UO, UP, UQ, UR, US, UT, UV, UW, UX, UY, UZ, VA, VB, VC, VD, VE, VF, VG, VH, VI, VJ, VK, VL, VM, VN, VO, VP, VQ, VR, VS, VT, VU, VV, VW, VX, VY, VZ, WA, WB, WC, WD, WE, WF, WG, WH, WI, WJ, WK, WL, WM, WN, WO, WP, WQ, WR, WS, WT, WU, WV, WW, WX, WY, WZ, XA, XB, XC, XD, XE, XF, XG, XH, XI, XJ, XK, XL, XM, XN, XO, XP, XQ, XR, XS, XT, XU, XV, XW, XX, XY, XZ, YA, YB, YC, YD, YE, YF, YG, YH, YI, YJ, YK, YL, YM, YN, YO, YP, YQ, YR, YS, YT, YU, YV, YW, YX, YY, YZ, ZA, ZB, ZC, ZD, ZE, ZF, ZG, ZH, ZI, ZJ, ZK, ZL, ZM, ZN, ZO, ZP, ZQ, ZR, ZS, ZT, ZU, ZV, ZW, ZX, ZY, ZZ

AI 20021023 AU 2002-239023 20020302

JP 2002145201 A 20021004 JP 2002-21421 20020222

EP 1394154 A1 20040203 EP 2002-705433 20020202

AI 20021023 AU 2002-239023 20020302

JP 2002145201 A 20021004 JP 2002-21421 20020222

EP 1394154 A1 20040203 EP 2002-705433 20020202

US 2004026775 A1 20040405 US 2003-472159 20030922

US 7543705 B2 20020732

PRIOITY APPL. INFO.:

NO 2002-072141 M 20020202

OTHER SOURCE(S):

GI



AS The title compds. I [R] represents an optionally substituted five-membered heterocyclic group; X represents a bond, etc.; Q represents a C1-20 divalent hydrocarbon group; Y represents a bond, etc.; ring A represents an aromatic ring optionally having one to three substituents; Z represents

14 ANSWER 7 OF 15 CAPLUS COPYRIGHT 2009 ACS ON STM (Continued)

[CR2]n1 [n is an integer of 0 to 8 and Z1 represents a bond, etc.], etc.],

ring B represents a five-membered heterocycle optionally having one to three substituents; W represents a C1-20 divalent satd. hydrocarbon group;

and R2 substituents (H, etc.) are prep. A process for prep. 1 is disclosed. Compd. of this invention at 0.01% in food given to diabetic mice for 4 days caused 43% to 42% decrease of blood sugar. Formulations are given.

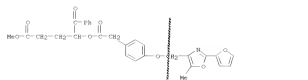
IT 464195-01-50

R1 RCT (Reactant); SPH (Synthetic preparation); PREP (Preparation); RCT (Reactant or reagent)

[Preparation of five-membered heterocyclic alkane and deriv. as remedies for diabetes and hyperlipidemia]

RU 464195-01-5 CAPLUS

CN Benzene-pentamethic acid, γ -[12-[4-[12-(2-furyl)-5-methyl-6-methylthio]phenyl]phenyl]acetyl-8-oxo-, methyl ester (CA INDEX NAME)



REFERENCE COUNT: 50 THERE ARE NO CITED REFERENCES AVAILABLE FOR THIS

FORMAT RECORD. ALL CITATIONS AVAILABLE IN THE RE

14 ANSWER 8 OF 15 CAPLUS COPYRIGHT 2009 ACS ON STM

ACCESSION NUMBER:

DOCUMENT NUMBER:

TITLE:

INVENTOR(S):

PATENT ASSIGNEE(S):

SOURCE:

DOCUMENT TYPE:

LANGUAGE:

FAMILY AC. NUM. COUNT:

PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE

JP 2002014445 A 20020218 JP 2000-139441 20000430

JP 2000-139441 JP 2000-139441 20000430

PRIOITY APPL. INFO.:

NO 2002-072141 M 20020202

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AS The material contains a cyan complex I. II, III, IV, or V (R1, R2-5, R7, R9-12 = alkyl, aryl, heterocycle; R2-3 = H, alkyl, aryl, heterocycle; L1 = O, SO, S(2), L2, L4 = O, NH3; R13 = H, alkyl, aryl, heterocycle; L3 = divalent linkage; R6, R8 = substituent; Ar = aryl; Z1-5 = H, releasing group in the reaction with developer oxide; n1 = 0-4; n2 = 0-3). The material gives high & clear cyan image and shows sharp absorption and good resistance to heat and high temperature

IT 58579-01-4

R1 DEV (Device component use); US68 (Use)

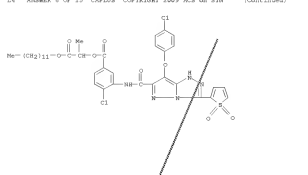
[Silver halide photog. film containing triazole derivative cyan complex]

RU 58579-01-4 CAPLUS

CN Benzene acid

4-chloro-3-[[11-(4-chlorophenyl)-2-[[1,2-dioxido-2-thienyl]-1-ethyl]amino]-2-oxo-1,4,5,6-tetrahydro-1H-benzothiazol-5-yl]-2-methoxy-1-methyl-2-oxoethyl ester (CA INDEX NAME)

14 ANSWER 8 OF 15 CAPLUS COPYRIGHT 2009 ACS ON STM (Continued)



14 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1999:19441 CAPLUS
DOCUMENT NUMBER: 1701261459

TITLE: Three-Dimensional Quantitative Structure-Activity Relationship of Interleukin-1 β Converting Enzyme Inhibitors: A Comparative Molecular Field Analysis Study

AUTHOR(S): Mukherji, Santosh S.; Mukherji, Vithal M.
CORPORATE SOURCE: Department of Chemical Technology Pharmaceutical Division, University of Mumbai, Mumbai, 400 019, India

LANGUAGES: English
SOURCE: Journal of Medicinal Chemistry 1999, 42(3), 373-380
COMPD. ORIGIN: JCSH: 0022-3653 American Chemical Society Journal

AB: A three-dimensional quantitative structure-activity relationship (QSAR) study using the comparative mol. field anal. (COMFA) method was performed on a series of interleukin 1 β converting enzyme (ICE) inhibitors. The compds. studied have been reported to be time-dependent inhibitors of

ICE. This study was performed using 49 compds. in the COMFA models were developed using a training set of 39 compds. All the compds. were modeled using the X-ray crystal structure of tetrapeptide aldehyde inhibitor/ICE complex. The inhibitor compds. were considered both as neutral species and as P2 carboxylate ionized species. Superimpositions were performed using two alignment rules, namely, an alignment of the structures based

on RMS fitting of the backbone heavy atoms of each structure to compound 2 and an alignment based on STERL QSAR rigid body field fit of the steric and electrostatic fields of the mols. to the fields of compound 2. Use of

LANGO: energies or ClogP as addnl. descriptors in the QSAR table did not improve the significance of the COMFA models. Steric and electrostatic fields of the inhibitors were found to be the relevant descriptors for structure-activity relationships. The predictive ability of the COMFA model was evaluated by using a test set of 10 compds. (r²pred as high as 0.93). Further comparison of the coefficient nonlinear mols. with the steric and electrostatic properties of the receptor show a high level of compatibility.

ST: 171021-41-4
R1: RAC (Biological activity or effector, except adverse); R20 (Biological) study, unclassified); R29 (Properties); T20 (Therapeutic use); R10L (Biological study); R25 (Uses)

COMPD. ORIGIN: (QSAR of interleukin-1 β converting enzyme inhibitors: comparative mol. field anal. study)

ST: 171021-41-4 CAPLUS
CH: Benzamide acid, 2,6-dichloro-, (1S)-4-carboxy-2-oxo-3-[[[6-oxo-5-[[[phenylmethyl]oxy]methyl]amino]-2-(2-chlorophenyl)-1-ido]-pyrrolidinyl]acetyl]amino]butyl ester (P2) (CA INDEX NAME)

INVENTOR(S): Datta, Roland K.; Prusty, Catherine P.; Chaturvedi, Prasad V.; Schmidt, Stanley C.
PATENT ASSIGNOR(S): Sanofi, Fr.

SOURCE: U.S., 12 pp., Cont.-In-part of U.S. Ser. No. 221,732.
LANGUAGES: English
FAMILY AC. NUM. COMNT: 2
PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE
US 5614948 A 19970929 US 1995-559070 19951126
US 114292 A 19970507 US 1995-193258 19950329
CN 112459 C 20030820 PT 1995-925448 19950329
PT 124887 C 20040321 US 2003-202145218 19950329
CN 1354462 A 20040616 US 1995-925448 19950329
ES 2212879 T 20040705 US 1997-877880 19970617
US 6142800 A 20021219 US 1997-877880 19970617
US 2002009750 A1 20020514 US 1997-877880 19970617
US 640709 B2 20020618 US 1994-221732 B2 19940331

PRIORITY APPL. INFO.: US 1995-559070 A1 19951126
US 1997-877880 A3 19970617

OTHER SOURCE(S): MARIAT 127, 307394
GI

FIG. 1

FIG. 2

FIG. 3

FIG. 4

FIG. 5

FIG. 6

FIG. 7

FIG. 8

FIG. 9

FIG. 10

FIG. 11

FIG. 12

FIG. 13

FIG. 14

FIG. 15

FIG. 16

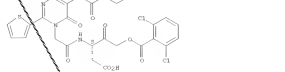
FIG. 17

FIG. 18

FIG. 19

14 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

Abstract stereochemistry.



REFERENCE COMNT: 42 THERE ARE 42 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE R2

FORMAT

FIG. 1

FIG. 2

FIG. 3

FIG. 4

FIG. 5

FIG. 6

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FIG. 28

FIG. 29

FIG. 30

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 ACCESSION NUMBER: 72151599
 DOCUMENT NUMBER: 72151599
 ORIGINAL REFERENCE NO.: 72151599, 5773a
 TITLE: Antiinflammatory Fucans and Thiophenes
 INVENTOR(S): O'Meara, Douglas M.
 PATENT ASSIGNEE(S): Imperial Chemical Industries Ltd.
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DE 1937801	B2	19760516		
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GI For diagram(s), see printed CA Index.

AB The preparation of novel thiophene (I, II) and furan deriva (III, IV)

with antiinflammatory, hypocholesteremic, anodyne, and antispasmodic properties is described. Thus, a mixture of 3 g of I (R = CH₂CH₃) prepared from 1 (R = CH₃), m. 82-83°, via 1 (R = CH₂CH₃), m. 125-126°, and 1 (R = CH₂CH₃), m. 81-82-83°, 85 ml EtOH, 1 ml H₂O, and 30 ml concentrated H₂SO₄ was refluxed 37 hr, to give 1 (R = CH₂CH₂CH₃), m. 62-63° (piperitol ether). Similarly were prepared the following deriva: (Type of compound, % and m.p. given): II, COCH₃, 44.5-45.5°; II, COCH₃, 185-187°; II, COCH₃, 70-80°; II, COCH₃, 111.5-113.5°; I, (CH₂)₂CH₃, 74-75°; I, (CH₂)₂CH₃, 150-151°; I, COCH₃, 78-80°; I, COCH₃, 74-75°; I, CH₃(COCH₃)₂, 70°; II, COCH₃, 64-65°; III, CH₃(COCH₃)₂, 58-59°; III, CH₃(COCH₃)₂, 50-51°; I, 1,4-DCO, COCH₃, 140-141°; I, piperidinoacetyl-benzylmethyl, 74-75°; I, COCH₃, 74-75°; I, COCH₃, 71-72°; I, CH₃(COCH₃)₂, 94°; I, COCH₃, 101-102°; I, COCH₃, 109-110°; I, COCH₃, 146-147°; I, COCH₃(CH₂)₂CH₃, 101-102°; I, CH₃(COCH₃), 146-147°; IV, COCH₃, 73-75°; IV, CH₃, 140-141°; IV, CH₂CH₃, 88-89°; IV, CH₂CH₃, 9°; IV, COCH₃, <35°; and also n-(4-bromo-2-(p-chlorophenyl)-2-thienyl)acetic acid, m. 136-137°.

IT 24675-47-29
 RU 578 (Synthetic preparation); FRF (Preparation)
 (Preparation of)
 RU 24675-47-2 CAPLUS
 CH Propagandic acid, 2-[5-(4-chlorophenyl)-2-thienyl]-, 1,2-bis(phenylmethyl) ether (CA INDEX NAME)

